

OCT. 7. 2005 4:02PM (3) FISH & RICHARDSON 6175428906 RECEIVED NO. 4115 P. 3  
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OCT 07 2005 Sheet 1 of 1

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16459-013001	Application No. 10/735,498
Information Disclosure Statement by Applicant (Use several sheets if necessary)  (37 CFR 51.98(b))		Applicant Alexei A. Erchak	
		Filing Date December 12, 2003	Group Art Unit 2811

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WSL	AA	6,534,798 B1	03-2003	Scherer et al.			
	AB	6,522,063 B2	02-2003	Chen et al.			
	AC	2004/0027062	02-2004	Shiang et al.			
	AD	6,335,548 B1	01-2002	Roberts et al.			
	AE	6,388,264 B1	07-2001	Ghosh et al.			
	AF	6,265,820 B1	05-2002	Pace, Benedict G			
↓	AG	6,784,463	August, 2004	Camras et al.			
	AH	2004/0043524	March, 2004	Huang et al.			
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
	AL						
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	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	AQ						
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	AS						
	AT						

Examiner Signature 	Date Considered 4/17/06
EXAMINER'S Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

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(37 CFR §1.98(b))			

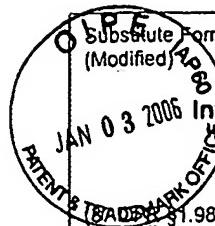
<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WSL	AA	6,614,056	09-2003	Tarsa et al.			
WSL	AB	6,946,683	09-2005	Sano et al.			
AC							
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Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449  
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Patent and Trademark OfficeAttorney's Docket No.  
16459-013001Application No.  
10/735,498Applicant  
Alexei A. ErchakFiling Date  
December 12, 2003Group Art Unit  
2814

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WSL	AA	6,803,603	10-2004	Nitta et al.	257	79	
WSL	AB	6,169,294	01-2001	Biing-Jye et al.	257	79	
	AC						
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Foreign Patent Documents or Published Foreign Patent Applications							
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							Yes No
WSL	AL	2005/004231	1/13/2005	PCT			
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Substitute Form PTO-1449 (Modified) 10/03 AIA 31 2003 Information Disclosure Statement by Applicant (Use several sheets if necessary) 37 CFR 51.15(b)(1) U.S. DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE	U.S. Department of Commerce Patent and Trademark Office  Attorney's Docket No. <b>16459-013001</b>  Application No. <b>10/735,498</b>  Applicant <b>Alexei A. Erchak</b>  Filing Date <b>December 12, 2003</b>  Group Art Unit <b>2811</b>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WSL	AA	5,132,751	July 21, 1992	Shibata, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
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							Yes	No	
	AL								
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	AP								

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
WKL	AQ	A. Köck et al., "Novel surface emitting GaAs/AlGaAs laser diodes based on surface mode emission," Appl. Phys. Lett. 63 (9), 30 August 1993, pages 1164-1166
WSL	AR	A. Köck et al., "Strongly directional emission from AlGaAs/GaAs light-emitting diodes," Appl. Phys. Lett. 57 (22), 26 November 1990, pages 2327-2329
	AS	
	AT	

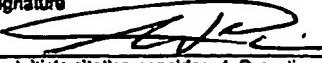
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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<u>JCL</u>	AAA	6,849,558	February 1, 2005	Schaper			
	ABB	6,307,218	October 23, 2001	Steigerwald et al.			
↓	ACC	5,600,483	February, 1997	Fan et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
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							Yes No
	ADD						
	AEE						
	AFF						
	AGG						
	AHH						

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	AJJ	
	AKK	
	ALL	

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WL	AA	5,834,331	November 10, 1998	Razeghi			
	AB	6,426,515	July 30, 2002	Ishikawa			
	AC	2003/0222263	December 4, 2003	Choi			
↓	AD	6,091,085	July 18, 2000	Lester			
	AE						
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